



Centro Tessile Serico Spa consortile

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## TEST REPORT

Report nr.: **1801672-001**  
Report date: **28-mar-18**  
Acceptance code: **1801672**  
Acceptance date: **23-mar-18**  
Start test date: **23-mar-18**  
End test date: **28-mar-18**  
References: ---

Customer code: 5485

To:  
**MARIO SIRTORI SPA**  
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**23845 COSTA MASNAGA (LC)**  
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To the attention of:  
sig. Sergio Sala Crist

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Article description: **VELL. ALPACA**  
Declared composition: **39% Cotton - 28% Alpaca - 11% Polyester - 9% Virgin Wool - 7% Polyamide - 6% Viscose**  
End use: **Furnishing**  
Typology: **Velvet**  
Return: **No requested**  
Sampling by customer

The results reported herein refer to the tested samples only and do not involve any product approval by Centro Tessile Serico.  
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TEST	M.U.	RESULTS
<b>15566 UPHOLSTERY FURNITURE: assessment of the ignitability by SMOULDERING CIGARETTE</b>		
Method:	UNI EN 1021-1:2014	
Instrument:	Small Test Rig for Flammability test	
Sample pretreatment:		
	sample wasn't submitted to any pretreatment	
Ignition source applied:		
	source 0 (SMOULDERING CIGARETTE)	
Materials of test assembly:		
	Upholstery filling: fire retardant polyurethane foam with a density of 35 kg/m <sup>3</sup>	
	Inner cover: -	
	Outer cover: SEE ARTICLE DESCRIPTION	
TEST RESULT:		<b>SAMPLE PASSES THE TEST - NON IGNITION</b>
Note: to assess the ignitability of this sample, the test has been carried out using a fire-retardant polyurethane foam with a density of 35 kg/m <sup>3</sup> as filling of the upholstered seating. The test result could be different using another type of filling material.		
Annex n.:		1F



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Report nr.

**1801672-001**

**TEST**

**M.U.**

**RESULTS**

**15576 UPHOLSTERY FURNITURE: assessment of the ignitability by MATCH FLAME EQUIVALENT**

**Method:** UNI EN 1021-2:2014

**Instrument:** Small Test Rig and burner for Flammability test

**Sample pretreatment:**

sample wasn't submitted to any pretreatment

**Ignition source applied:**

source 1 (MATCH FLAME EQUIVALENT)

**Materials of test assembly:**

Upholstery filling: fire retardant polyurethane foam with a density of 35 kg/m<sup>3</sup>

Inner cover: -

Outer cover: SEE ARTICLE DESCRIPTION

**TEST RESULT:**

SAMPLE PASSES THE TEST - NON IGNITION

Note: to assess the ignitability of this sample, the test has been carried out using a fire-retardant polyurethane foam with a density of 35 kg/m<sup>3</sup> as filling of the upholstered seating. The test result could be different using another type of filling material.

Annex n.:

2F

**END OF TEST REPORT**

**Technical Head**

Enrica Baldini



CTS  
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Annex n. 1F to test report n. 1801672-001

## DETAILS OF TEST RESULTS

Test executed according to UNI EN 1021-1:2014 (EN 1021-1:2014)

### Furniture

### Assessment of the ignitability of upholstered furniture

### Part 1: Ignition source: smouldering cigarette

Article description: **VELL. ALPACA**

Declared composition: **39% Cotton - 28% Alpaca - 11% Polyester - 9% Virgin Wool - 7% Polyamide - 6% Viscose**

Materials of test assembly:

Upholstery filling: **fire-retardant polyurethane foam with a density of 35 kg/m<sup>3</sup>**

Inner cover: -

Outer cover: **see article description**

Conditioning of test specimen: **23 ± 2 °C, 50 ± 5 % r.h.**

Testing temperature and r.h.: **21 °C and 45% r.h.**

Sample pre-treatment: **sample wasn't submitted to any pretreatment**

Date of test: **28/03/2018**

<b>SMOULDERING CRITERIA:</b>	<b>first cigarette</b>	<b>second cigarette</b>	<b>Comments</b>
<b>Smouldering criteria:</b>			
Unsafe escalating combustion	NO	NO	
Test assembly consumed	NO	NO	
Smoulders to extremities	NO	NO	
Smoulders through thickness	NO	NO	
Smoulders more than 1 h	NO	NO	Time elapsed between placing the cigarette and extinguishing 1 <sup>st</sup> cigarette – 22 min 2 <sup>nd</sup> cigarette – 25 min
In final examination, presence of active smouldering	NO	NO	
<b>Flaming criteria:</b>			
Evidence of flames	NO	NO	

**YES = criteria observed**

**NO = criteria not observed**

## TEST RESULT: SAMPLE PASSES THE TEST - NON IGNITION

*The above test results relate only to the ignitability of the combination of materials under the particular conditions of test. They are not intended as a means of assessing the full potential fire hazard of the material in use.*

*The probability that the observation criteria mentioned represent the true is equal to 95%.*

*The expanded uncertainty is calculated by multiplying the combined standard uncertainty for a coverage factor K = 2, which for a normal distribution leads to a confidence level of approximately 95%.*

Annex n. 2F to test report n. 1801672-001

## DETAILS OF TEST RESULTS

Test executed according to UNI EN 1021-2:2014 (EN 1021-1:2014)

### Furniture

Assessment of the ignitability of upholstered furniture

Part 2: Ignition source: match flame equivalent

Article description: **VELL. ALPACA**

Declared composition: **39% Cotton - 28% Alpaca - 11% Polyester - 9% Virgin Wool - 7% Polyamide - 6% Viscose**

Materials of test assembly:

Upholstery filling: **fire-retardant polyurethane foam with a density of 35 kg/m<sup>3</sup>**

Inner cover: -

Outer cover: **see article description**

Conditioning of test specimen: **23 ± 2 °C, 50 ± 5 % r.h.**

Testing temperature and r.h.: **21 °C and 45% r.h.**

Sample pre-treatment: **sample wasn't submitted to any pretreatment**

Date of test: **28/03/2018**

<b>SMOULDERING CRITERIA:</b>	<b>1st test</b>	<b>2nd test</b>	<b>3rd test</b>	<b>Comments</b>
<b>Smouldering criteria:</b>				
Unsafe escalating combustion	NO	NO	NO	
Test assembly consumed	NO	NO	NO	
Smoulders to extremities	NO	NO	NO	
Smoulders through thickness	NO	NO	NO	
Smoulders more than 1 hour	NO	NO	NO	Time smouldering: 1st test: 9 s 2nd test: 9 s 3rd test: 8 s
In final examination, presence of active smouldering	NO	NO	NO	
<b>Flaming criteria:</b>				
Unsafe escalating combustion	NO	NO	NO	
Test assembly consumed	NO	NO	NO	
Flames to extremities	NO	NO	NO	
Flames through thickness	NO	NO	NO	
Flames more than 120 s	NO	NO	NO	Time flaming: 1st test: 3 s 2nd test: 2 s 3rd test: 2 s

**YES = criteria observed**

**NO = criteria not observed**

### TEST RESULT: SAMPLE PASSES THE TEST - NON IGNITION

*The above test results relate only to the ignitability of the combination of materials under the particular conditions of test. They are not intended as a means of assessing the full potential fire hazard of the material in use.*

*The probability that the observation criteria mentioned represent the true is equal to 95%. The expanded uncertainty is calculated by multiplying the combined standard uncertainty for a coverage factor K = 2, which for a normal distribution leads to a confidence level of approximately 95%.*